

**Amendments to the Specification:**

Please replace paragraph [0025] as amended in Applicants' response filed January 29, 2007, with the following amended paragraph.

[0025] Figure 5 shows an alignment of the parental Pfu (SEQ ID NO:24) and Deep Vent® (SEQ ID NO:25) sequences, and various hybrid polymerase sequences (Hybrid design, HyS1, Hyb2, Hyb3, HyS4, PhS1, PhS2, PhS3, PhS4, PhS5, PhS6, and PhS7; SEQ ID NOS:27-37 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, and 10, respectively).

Please replace previously paragraph [0026] as amended in Applicants' response filed January 29, 2007, with the following amended paragraph.

[0026] Figure 6 shows a sequence element that is common to the parental and hybrid sequences (~~SEQ ID NOS:38-46~~ Pfu (SEQ ID NO:38); Deep Vent (SEQ ID NO:39); Hybrid final protein (SEQ ID NO:40); HyS1, Hyb2, Hyb3, and HyS4 (SEQ ID NO:41); PhS1 (SEQ ID NO:42); PhS2 (SEQ ID NO:43); PhS4 (SEQ ID NO:44); PhS5 (SEQ ID NO:45); and PhS7 (SEQ ID NO:46)).